

20030331.qrp v02_n876.qrl.20030331

Date: Mon, 31 Mar 2003 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2876

QRP-L Digest 2876

Topics covered in this issue include:

- 1) [148338] Re: DVM
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 2) [148339] OT: FWIW - tunes at FDIM...??
by Lloyd Lachow <llachow@yahoo.com>
- 3) [148340] Re: DVM
by Elliott Lawrence <edl@pacbell.net>
- 4) [148341] Re: SCAFs
by Ed Tanton <n4xy@earthlink.net>
- 5) [148342] Re: DSW-II Photos Available
by "Bill, N4QA" <n4qa@hotmail.com>
- 6) [148343] Simplified shielding calculation
by "Steve Blatman" <steve@inkspot.net>
- 7) [148344] Re: DSW-II Photos Available
by "Joseph Pirkle" <ad4ih@worldnet.att.net>
- 8) [148345] Re: Fists Web Site Down?
by Nelson Winter <thenels@go.com>
- 9) [148346] Re: DVM
by "Mike Yetsko" <myetsko@insydesw.com>
- 10) [148347] Re: DSW-II Photos Available
by "Alan Fryer" <N3BJ@hotmail.com>
- 11) [148348] OT: 'Dummies' Book Needed: Works 4.5
by wkhibbert@juno.com
- 12) [148349] Atlanticon 2003
by W2AGN <w2agn@w2agn.net>
- 13) [148350] Mystery Amplifier Question
by "Thomas Kuehl" <ac7a@earthlink.net>
- 14) [148351] trade or FS
by "hivolts" <hivolts@usintouch.com>
- 15) [148352] FS: OHR QRP Spirit for 30M
by "Alan Fryer" <N3BJ@hotmail.com>
- 16) [148353] Solder Station Recommendations Please
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 17) [148354] Re: [fpqrp] OT: FWIW - tunes at FDIM...??
by "KB9BVN" <brian@iquest.net>
- 18) [148355] Surplus Parts
by "KB9BVN" <brian@iquest.net>
- 19) [148356] DSW-II Photos

- by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 20) [148357] Re: SCAFs
by Steven Weber <kd1jv@moose.ncia.net>
- 21) [148358] SD-20 for \$9.99 at Fleet Farm
by Steve Bauder <sbauder@wwt.net>
- 22) [148359] YF122C CW Filter F/S
by ki3b@juno.com
- 23) [148360] KI6DS Reports on first QSO with new SWL DSW2!!!!!! WOW!!!!!!
by "George Heron N2APB" <n2apb@erols.com>
- 24) [148361] Atlanticon Saturday night
by Mike Czuhajewski <wa8mcq@comcast.net>
- 25) [148362] Re: DSW-II Photos Available
by "LEE HOPPER" <leehopp@msn.com>
- 26) [148363] Voice of Iran - 0130Z on 9580 kHz
by John Harper AE5X <ae5x@qsl.net>
- 27) [148364] For Sale: Westmountain Rigrunner 4008
by Paul Womble <k4fb@earthlink.net>
- 28) [148365] Re: DSW-II Photos Available
by "Juan Ferrari" <puntrad@usa.net>
- 29) [148366] Re: SCAFs
by Dan Tayloe <dtayloe@cox.net>
- 30) [148367] Filtering in a receiver
by "James R. Duffey" <JamesDuffey@comcast.net>
- 31) [148368] Atlanticon.....Great!!!
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 32) [148369] DSW 2
by "Jay Bromley" <w5jay@alltel.net>
- 33) [148370] Arkiecon speaker Dave Benson, K1SWL
by "Jay Bromley" <w5jay@alltel.net>
- 34) [148371] WTB--Norcal 40a
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 35) [148372] Atlanticon, what a weekend, LONG
by David Porter <aa3ur@comcast.net>
- 36) [148373] Help
by Anil <sanil@sancharnet.in>
- 37) [148374] Re: SCAFs
by Ed Tanton <n4xy@earthlink.net>
- 38) [148375] Re: Help
by "Leon Heller" <leon_heller@hotmail.com>
- 39) [148376] Re: DSW-II Photos
by Randy Moore <wrmoore47@comcast.net>
- 40) [148377] RE: is this an indoor antenna?
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 41) [148378] BL Tuner
by tstabler <tstabler@iun.edu>
- 42) [148379] YA RM VX0 Question
by "William Phinizy" <k6whp@verizon.net>
- 43) [148380] Re: Help

by "Mark Andrews" <KE4IOF@KE4IOF.com>
44) [148381] Re: BL Tuner
by "Bill Jones" <kd7s@psnw.com>
45) [148382] Another Rockmite 20 lives and breaths!
by Gary Slagel <gdslagel@yahoo.com>
46) [148383] Re: April QST Cover
by George Gingell <k3tks@u1.abs.net>
47) [148384] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
48) [148385] CQ WW WPX SSB Results
by "George Osier" <gosier@twcny.rr.com>
49) [148386] Re: April QST Cover
by "John J. McDonough" <wb8rcr@arrl.net>
50) [148387] Re: Atlanticon 2003
by George Gingell <k3tks@u1.abs.net>
51) [148388] Re: April QST Cover
by "Dave Benson" <nn1g@earthlink.net>
52) [148389] Re: April QST Cover
by David Hinerman <WD8CIV@worldnet.att.net>
53) [148390] qrp plus eproms..new batch just made up.
by ve3ab@mail.mondenet.com
54) [148391] DSW II Improvements ?
by "Alan Fryer" <N3BJ@hotmail.com>
55) [148392] Re: DSW II Improvements ?
by "Leigh Hawkes" <leighhawkes@ns.sympatico.ca>

Date: Sun, 30 Mar 2003 09:09:08 -0800
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <edl@pacbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148338] Re: DVM
Message-ID: <003801c2f6df\$13c60680\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've found that some of the little cheapies are surprisingly accurate, after taking them to work and comparing to a calibrated Fluke.

I have a Radio Shack unit that has a PC interface that allows you to trend (graph) a parameter over time. Pretty nice, something over \$100. I also picked up a surplus no-name from B.G. Micro for \$10 or \$15 that was surprisingly accurate. And I have an auto-ranging DVM from Sears that's 20 years old and does well.

OK. Besides accuracy, what's important? Well, the cheapie from B.G. Micro requires a whole stack of button cells as its battery. Not good. Auto shut off would be nice, since I'm prone to forget to turn stuff off.

The RS meter requires a fair amount of disassembly to replace the fuse used for current measurements, and I tend to blow them now and then. Also, instead of crashing gracefully, it will start giving highly improbable readings as the battery is dying.

So good luck, don't automatically shy away from inexpensive meters, and look at features other than just accuracy.

72--Nick, WA5BDU

----- Original Message -----

From: "Elliott Lawrence" <edl@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, March 29, 2003 4:09 PM
Subject: DVM

> I am looking for suggestions for a good quality DVM at a reasonable
> price. Most of the "cheap" imports appear to be just that and I would
> like something that is reliable and reasonably accurate.

Date: Sun, 30 Mar 2003 07:09:49 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>
Subject: [148339] OT: FWIW - tunes at FDM...??
Message-ID: <20030330150949.25170.qmail@web41010.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Besides playing radio, I love to play tunes on my fiddle, and I'll be bringing it to Dayton. I encourage others to bring an instrument, if they're so moved. We can always have them and not play them, of course, but...not the opposite. Might be some late night-fun; a brief respite from the exhilarating whirl of radio ecstasy...

=====

73, 72 es oo, Lloyd, K3ESE

K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
ARRL - ARS #1301 - FISTS #8774 - WATPK #8

FPqrp #476 - BORG #2 - QRParci #11147
QRP-L #2415 - SOC #530
Fun = Skill / Power
"You can't spell Lloyd without lol!"

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<http://platinum.yahoo.com>

Date: Sun, 30 Mar 2003 08:16:56 -0800
From: Elliott Lawrence <edl@pacbell.net>
To: Low Power/QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [148340] Re: DVM
Message-ID: <3E871878.F643881D@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Thanks for all of the comments. I will check out the possibilities suggested.

72

Elliott WA6TLA

Date: Sun, 30 Mar 2003 11:20:32 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: dtayloe@cox.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148341] Re: SCAFs
Message-ID: <5.2.0.9.2.20030330110031.037f5708@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I totally disagree Dan. Of the inexpensive filters I have (e.g. not DSP like my NIR-12s) two are SCAFs, and are FAR superior to any other of the non-DSPs. I have both the OHR SCAF and one made several years ago by an Alabama company named Dynamic Electronics. The one exception I would make to this sweeping endorsement are 88-mH-based (telephone toroid) filters. Their single-center-frequency audio response makes them VERY good-sounding filters. However, without variable BW (the OHR switches) they are more like what you described for the SCAFs... but admittedly do sound really nice.

You cannot buy either one, but I believe Vectronics has a kit SCAF filter still available, and if I had to give up my OHR, I'd probably want to get a Vectronics. I wouldn't take my NIR-12s to the field, but the OHR/etc. is small, inexpensive, and effective. Beats the daylights out of any inexpensive filter I know of.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"Suppose you were an idiot ...
And suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 30 Mar 2003 11:25:21 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [148342] Re: DSW-II Photos Available
Message-ID: <BAY1-F89zUqQID0EPwB00004e86@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Very nice series of photos, Chuck.
These are the very first images that I've seen of my next new rig.
Thanks.

Gang, we're gonna have a lot of fun with this one...can't wait for my
DSW-II-80 to arrive...

OT: Can you believe this early Spring snowstorm?
Very wet(and heavy)...we've already lost power several times...

73,
Bill, N4QA

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 30 Mar 2003 12:14:41 -0500
From: "Steve Blatman" <steve@inkspot.net>
To: qrp-1@Lehigh.EDU
Subject: [148343] Simplified shielding calculation
Message-ID: <3E86DFB1.8078.B086C6@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

My high-school aged son is working on a physics project delaing with transmission of radio waves through various materials. (He's a no-code tech, so he can do the experiments without supervision.)

For his experiment, he placed a 2m ht in a carboard tube wrapped in aluminum foil, with just one end left unshielded. He placed various materials over this end of the tube, and recorded the readings on a field strenght meter when he transmitted at one frequency. Materials included plastics, metals, air (nothing), and a bowl of water.

What he needs now is some mathematical/physics theory against which to evaluate his data. Unfortunately, I don't remember enough antenna and dielectric theory to reduce the field equations (vector calculus) to something I can still explain to him and he can handle (algebra and trigonometry--I can probably still handle scalar calculus, too). Any help would be most appreciated, whether directly or via pointers to stuff on the web.

Thanks,

Steve
N1HDP

Steve Blatman (steve@inkspot.net)
Ink Spot Printing & Copy Center, Inc.
14 Church Road, Frazer, PA 19355 USA
Tel: (610) 647-0776
Fax: (610) 647-4560

Date: Sun, 30 Mar 2003 12:17:35 -0500
From: "Joseph Pirkle" <ad4ih@worldnet.att.net>
To: <k7qo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148344] Re: DSW-II Photos Available
Message-ID: <001101c2f6e0\$42df68c0\$731e5c0c@joeydk31we3ih0>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Wow! Less than a dozen SMT components and only three (3) toroids!
Looks good.
Joe P. - AD4IH

----- Original Message -----
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 30, 2003 12:43 AM
Subject: DSW-II Photos Available

>
>
> Gang,
>
> At the present time I am downloading to
>
> <http://www.qsl.net/k7qo/dsw2.html>
>
> the page linking to the photos. It is now 0533UTC March 30th, 2003
> and the photos are transferring over through the modem, so if you
> are on line when you read this near the above time you may have to
> wait 15 mins or so before they all are there, so be patient.

>
> I'll follow up on Monday or Tuesday with some more photos with the
crystals in
> place and an outdoor photo of the rig complete so that you can get
> a size comparison with some of the other popular rigs.
>
> This rig should be trail friendly as it weighs in at 12 ounces.
>
> More to follow when I get it on the air with a beam.
>
> FYI
>
>
>
> Chuck Adams, K7QO
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? ---- Please bring your own water.
> Week of April 1 is National Dark Skies Week, so darken the outside
> lights.... Please.
>

Date: Sun, 30 Mar 2003 09:14:18 -0800 (PST)
From: Nelson Winter <thenels@go.com>
To: "J. Michael Thurman, WN5T" <jmthurman@centurytel.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148345] Re: Fists Web Site Down?
Message-ID: <1035110.1049044458371.JavaMail.thenels@gomailjtp02>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

The UK mirror seems to still be up:

<http://www.asel.demon.co.uk/fists-hq/>

-----Original Message-----

From: "J. Michael Thurman, WN5T" <jmthurman@centurytel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Sun Mar 30 05:08:04 PST 2003
Subject: Re: Fists Web Site Down?

>Trev, et al.,

>

>I just pinged the Fists URL and the IP address and got 100% packet loss. I

>also did a tracert with a time out at "tbr1-p013701.wswdc.ip.att.net." I
>used to work for a web content provider and have seen this node many times
>in failure reports. Sometimes they were due to traffic; sometimes they were
>do to switch/cable failures.

>
> It also seems like the domain name servers somewhere in the chain are not
>resolving the URL. You do have the correct URL

>
>73/72/00
>Michael
>WN5T
>Lamar, AR
>Fp#566

>
>-----Original Message-----
>From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
>Trevor Jacobs
>Sent: Saturday, March 29, 2003 7:50 PM
>To: Low Power Amateur Radio Discussion
>Subject: OT:Fists Web Site Down?

>
>Hey Gang,
>
>Sorry for the OT bandwidth, but have been trying to get to the Fists CW Club
>web site for a couple of days to get the info to renew my membership, but
>the site appears to be gone. Anyone have the correct web address? The one I
>have is <http://www.fists.org> . Thanks a bunch...

>
>73's Trev KG6CYN
><http://www.qsl.net/kg6cyn>

>
>
>
>

Less = More
<http://www.qsl.net/wb6dwd/>
RM-40/30/20

GO.com Mail
Get Your Free, Private E-mail at <http://mail.go.com>

Date: Sun, 30 Mar 2003 12:43:07 -0500
From: "Mike Yetzko" <myetzko@insydesw.com>

To: <edl@pacbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148346] Re: DVM
Message-ID: <002501c2f6e3\$d45bf2c0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I am looking for suggestions for a good quality DVM at a reasonable
> price. Most of the "cheap" imports appear to be just that and I would
> like something that is reliable and reasonably accurate. I am well
> aware of the Fluke line of instruments which can always be purchased but
> a bit expensive. However, one does get what they pay for!
>
> Elliott WA6TLA

I have a 'selection' of meters that I use for different things. Some
people
get so tied up in 'the best tool' that they forget that the 'best tool'
and the
'best tool for the job' are not always the same thing.

First off, keep an eye out at fleas and such for a good ANALOG meter.
There are times you just can't beat the visual impact of a moving needle
for peaking a circuit, or even 'sweeping'. With that in mind, try to find
an old 'FET VOM' or at least a 100K/Volt meter. I have 2 old Radio
Shack meters for that. One is a 100K/V meter, the other is a REALLY
old FET-VOM.

Then I have 2 LCD meters I use. Each seems to have a place for what
I'd doing. The cheap one is a DI DM5XL from Beckman Instruments.
It's main shortcoming is a 200ma limit for current. I keep a set of
alligator
leads in it all the time. My other meter is a Radio Shack number 22-801.
I tend to grab that 99% of the time for 'radio work'. It's 3-3/4 digits
(isn't
that what you call it when it reads to 3.999 in the display?) and works
extremely well, although I do find I have to disable the auto-range
feature
now and then. The BI meter is only 3-1/2 digits (reads to 1.999).

Then I have a Fluke 'ScopeMeter', which is a BIG (definitely NOT
pocket sized! Not even a ski coat!) digital storage scope and meter.
But that's got a hefty price tag (well into 4 digits) on it.

The bottom line is NOT to try to get one meter to do all. You can
'fine tune' what you want and use to 'narrow in' on maybe 2 or 3 meters,

but once you start getting serious, you'll quickly discover that no meter fits all bills the way you'd like! Sometimes for ergonomics, sometimes for accuracy and functionality, sometimes just for looks.

Mike

Date: Sun, 30 Mar 2003 13:19:07 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148347] Re: DSW-II Photos Available
Message-ID: <0E52J2TUSzbAUfKRfcj0000c343@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone having any luck accessing the pix ? I can't...

Alan, N3BJ

----- Original Message -----
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 30, 2003 12:43 AM
Subject: DSW-II Photos Available

>
>
> Gang,
>
> At the present time I am downloading to
>
> <http://www.qsl.net/k7qo/dsw2.html>
>
> the page linking to the photos. It is now 0533UTC March 30th, 2003
> and the photos are transferring over through the modem, so if you
> are on line when you read this near the above time you may have to
> wait 15 mins or so before they all are there, so be patient.
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crystals in
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> a size comparison with some of the other popular rigs.
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> This rig should be trail friendly as it weighs in at 12 ounces.
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> More to follow when I get it on the air with a beam.
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> FYI
>
>
>
> Chuck Adams, K7QO
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? ---- Please bring your own water.
> Week of April 1 is National Dark Skies Week, so darken the outside
> lights.... Please.
>
>

Date: Sun, 30 Mar 2003 13:18:24 -0500
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [148348] OT: 'Dummies' Book Needed: Works 4.5
Message-ID: <20030330.131824.-364671.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

This is actually a request for my wife Anne (WB1GVL). Anne does not convert well from someone demonstrating on the screen to actually using the application. She's running Works 4.5 on the computer that she does the church newsletter and church school materials.

We looked at the current 'Dummies' book for Work, but it's Works 6 and the screen shots do not match the current i installation. I have looked through used and college bookstores all over western NY and northern PA without having any luck finding the older edition covering Works 4.5 (Works 4.0 would also be OK)

She really needs the book to help her along to properly utilize this word processor. The church does not, or will not change word processors or I would put something in that I can get documentation for.

Anyone on the list have this older edition collecting dust?

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section

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Date: Sun, 30 Mar 2003 13:20:28 -0500 (Eastern Standard Time)
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org
Subject: [148349] Atlanticon 2003
Message-ID: <3E87356C.00000F.54503@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

Another great Atlanticon. I have been fortunate to make it to all 5. Speakers were outstanding, and it was a pleasure to meet Doug, KI6DS in person. Weather couldn't have been much worse. (Better not say that, it's supposed to snow tonight!). Filled up on Crab Cakes anyway.

Got home about 10:30AM. Couldn't wait, so started work on DSW-II Beta4. I'll echo Chuck's comments, this is a great little kit, and seems to fall in the "easy assembly" category. Most of the SMT stuff already mounted. The 3 SMT inductors are big enough even I can do it. Chuck has posted a lot on this, so I won't duplicate. Let me just say from a bumbler's point of view (as opposed to Chuck's perfectionism), it still seems to be coming out well.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Sun, 30 Mar 2003 11:38:21 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148350] Mystery Amplifier Question
Message-ID: <000501c2f6eb\$8a4a7c80\$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy,

Yesterday, I was given a solid-state amplifier that I am not able to readily identify. It has a model number of TX 250. Opening it, I found by its construction that it is not a VHF amplifier. It uses broadband matching transformers and has two RF power transistors marked RF120. The amplifier has a couple of toggle switches; on/off, preamp on/off, AM/SSB, and low/medium/high. It is well constructed (US) and some components have 1986 date codes. I have a suspicion this may be 10/11-meter amplifier.

This is not exactly a QRP question, but this amplifier might hold promise for modification and use with my K2. A goggle search hasn't produced any clues. Anyone familiar with this amplifier?

Thanks, Thomas - AC7A (Tucson)

Date: Sun, 30 Mar 2003 10:43:24 -0800
From: "hivolts" <hivolts@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148351] trade or FS
Message-ID: <009301c2f6ec\$3f5f7350\$2f861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a DJ-596,2m and 70 cm HT with the larger extra battery and the case. the condition is as new. I would like to trade it for an unbuilt xcvr kit of equal value, or I will sell it for \$180. shipped USA...offers considered...thanks John KF70M

Date: Sun, 30 Mar 2003 13:49:54 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148352] FS: OHR QRP Spirit for 30M
Message-ID: <0E50aTAbNF44VEm0Gcr0000c2ac@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

For Sale: Non-working OHR Spirit for 30M. This is a single band version of the OHR-400, same basic design with diode ring mixer, RF stage, spec'ed at 5W+ out.

This is a non-working unit, no time to work on it and too many rigs here. Intact, it's all there, with original manual. Its in good physical shape except for light scratches in the paint of the cover. Front panel is in excellent shape. Includes internal keyer.

\$57 shipped

Alan, N3BJ

Date: Sun, 30 Mar 2003 14:00:47 -0500
From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: QRP Fanatics <qrp-1@lehigh.edu>,
"RVHFG_general@yahoogroups.com" <RVHFG_general@yahoogroups.com>
Subject: [148353] Solder Station Recommendations Please
Message-ID: <108251337.1049032847@K2Q0>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Gang,

Here is the choice:

Weller WLC100 --or-- XYTronics Model 379

Both offer a nice selection of tips and the prices are around \$40. I have a gaggle of transverters to build and SMT will be involved. Seems time to retire my noname 25W pencil. I am asking because I have not heard of the XYTronics brand.

TNX,
Mark K2Q0

Date: Sun, 30 Mar 2003 14:26:55 -0500
From: "KB9BVN" <brian@iquest.net>
To: "Lloyd Lachow" <llachow@yahoo.com>,
"a low-energy group" <qrp-1@lehigh.edu>

Subject: [148354] Re: [fpqrp] OT: FWIW - tunes at FDIM...??
Message-ID: <001901c2f6f2\$5575b090\$5b652bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fiddle??

Did you say fiddle??

Bluegrass fiddle??

I will bring my Bugle. I play a mean bluegrass bugle.

Check my pic in the pigpen...you'll see.

----- Original Message -----

From: "Lloyd Lachow" <llachow@yahoo.com>
To: "a low-energy group" <qrp-l@lehigh.edu>
Sent: Sunday, March 30, 2003 10:09 AM
Subject: [fpqrp] OT: FWIW - tunes at FDIM...??

> Besides playing radio, I love to play tunes on my
> fiddle, and I'll be bringing it to Dayton. I encourage
> others to bring an instrument, if they're so moved. We
> can always have them and not play them, of course,
> but...not the opposite. Might be some late night-fun;
> a brief respite from the exhilarating whirl of radio ecstasy...

>

> =====

> 73, 72 es oo, Lloyd, K3ESE

> K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

> ARRL - ARS #1301 - FISTS #8774 - WATPK #8

> FPqrp #476 - BORG #2 - QRParci #11147

> QRP-L #2415 - SOC #530

> Fun = Skill / Power

> "You can't spell Lloyd without lol!"

>

> -----

> Do you Yahoo!?

> Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your
desktop!

> <http://platinum.yahoo.com>

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-l -

>
>

Date: Sun, 30 Mar 2003 14:33:11 -0500
From: "KB9BVN" <brian@iquest.net>
To: "QRPP-1" <QRPP-I@yahoogroups.com>, "Flying Pigs" <fpqrp-1@fpqrp.com>, "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [148355] Surplus Parts
Message-ID: <003b01c2f6f3\$342f8310\$5b652bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Junkbox Surplus Parts for Sale as of 03/30/2003
=====

NEW ITEMS

I have 200 excess pcs of 5.000 Mhz crystals. These are the miniture crystals like you see in the latest QRP Quarterly. Tiny round crystals with two wire leads, I think I've seen these in watches. If we ever get 60m these could be a lot of fun.

I'm asking 100 for \$6.00 or 50 for \$4.00 shipped to the USA.

I have 400 pcs of 102J (1000pf) Shinyei ceramic caps rated at 630 VDC. These are in bags of 200.

\$5.50 for 200 including USA shipping.

I also have surplus 50K 1 Turn linear taper pots, about 20 each. These are chassis mount pots with the nut. About the size of a nickle, and about 1/2 inch deep with a 1/4 inch shaft about 1/2 inch long.

5 for \$5.00 including USA shipping.

285pf Green Square Plastic Cap, PC Board Insertion 10%
100 for \$4.00

Odd Items

=====

9.8304 Mhz Crystals, 1/4 in tall - 20 for \$5.00
27mH inductors with radial leads - 25 for \$3.50

Caps - All new, old stock. No pulls.

=====

All caps now 50/\$3 or 100/\$5

=====

8pf NPO Ceramic - Loose

11pf NPO Ceramic - Loose

12pf NPO ceramics on tape

22pf Kemet Ceramic Caps, 200v, 10%

150pf ceramics, 100v, 10%

470pf Ceramics on paper tape, rated 5% (NPO)

560pf Kemet Ceramic Caps, 200v, 10%

1000pf blue mono caps, 10% 100v

3300pf Kemet Ceramic Caps, 100v, 10%

.01 uF ceramic caps, 10% 100v brand new by Kyocera
and

.01 uF ceramic caps, 20% 50v, new old stock, not used

50/2.50 100/\$4

Voltage Regulators

=====

L7805ACV voltage regulators T0220 case. 10/\$5 or 15/\$7 100/\$30

LM7812 voltage regulators. T0220 case. 5/\$4

LM317T Adjust. Positive Voltage Regulator T0220. 10/\$5.00 or 15/\$7.00

25/\$10.00

LM78L62ACZ Volt(6.2)regulators, T092 format 5/\$3.00

Transistors - New Parts - No Pulls

=====

TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7

2N3904's plastic T092. NPN - 50/\$4 100/\$7

2N3704's plastic T092, NPN - 50/\$4

Op AMPS

=====

LM386N-1 - Audio Amps 5 for \$3.00

LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$3.00

<http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>

Diodes

=====

1N4148 - You always need these. 100 for \$2.50

Let me know if you're interested. All prices are post paid to the USA, unless otherwise noted. I will ship to non USA addresses but we need to discuss the shipping charges first.

Date: Sun, 30 Mar 2003 12:18:32 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [148356] DSW-II Photos
Message-ID: <5.1.1.6.0.20030330121043.0193fd58@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Some of you today sent me email showing that you had missing links. I was reloading the pics with different links at that time ~1800UTC March 30th. When I loaded them last night I just happened to wipe out the photos of the Rock-Mite (renumbering scheme started at wrong sequence). So I retyped the sequence and started over and had to reload 79 photos and this takes some time. Thankfully I backup everything twice a week just in case something like this happens. When you have over 1,000 digital pics of ham radio stuff it gets to be over load.....

I noted earlier that the knobs did not show up in one photo. But on a new LCD display that I got yesterday while in Phoenix the photo shows up nicely, so you have to worry about monitor quality (especially the newer LCDs) to see the detail in some photos where contrast and color shades are important.

The specs on the rig are not available at this time and should appear when Dave gets a chance to finalize and publish same. I'll let you know what I get when I get it on the air tomorrow or Tuesday.

FYI

Chuck Adams, K7Q0
<http://www.qsl.net/k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Sun, 30 Mar 2003 15:48:55 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [148357] Re: SCAFs
Message-ID: <3.0.6.32.20030330154855.007ed230@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>These devices seem to be of marginal use in a cw receiver. In my
>opinion, they are good as "comfort" filters, not as the primary
>selectivity.

>
>These things are extremely noisy. As such, they have to go at the very
>end of the amplifier chain so its inherent noise is not amplified, and
>become objectionable.

Dan might be right in these comments but I have a LTC1068 in my HB "big
rig" and leave it switched in most of the time. I find it greatly reduces
wide band noise and makes weak CW signals easier to copy.

Granted, this rig does have a four xtal IF filter, RF derived AGC and the
SCAF is the last thing in line before the audio power amp.

My main problem was finding a clock for the SCAF which didn't drift and
make harmonics and get into the IF and RF input of the receiver. I ended up
using a "multiple output" clock IC which starts with a built in 20 Mhz xtal
oscillator and had a divided output at just the right frequency for the
SCAF (or close enough).

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Mar 2003 16:01:13 -0600
From: Steve Bauder <sbauder@wwt.net>
To: qrp-1@Lehigh.EDU
Subject: [148358] SD-20 for \$9.99 at Fleet Farm
Message-ID: <3E876929.808001@wwt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those in the upper midwest, I see SD-20's in the latest Fleet Farm flyer for \$9.99.

Steve Bauder, NX9Z

Date: Sun, 30 Mar 2003 22:15:35 GMT
From: ki3b@juno.com
To: qrp-l@lehigh.edu
Subject: [148359] YF122C CW Filter F/S
Message-ID: <20030330.141546.2163.375757@webmail02.lax.unttd.com>

Yaesu 500 hz plug-in CW filter, fits FT-817, FT-897 and FT-857 series radios and possibly others (check your manual). No box or manual available. Pulled from a FT-817 I have sold already and works fine. Selling new for \$150 or more from the dealers, \$100 firm shipped Priority Mail. Please no trade offers. ki3b@juno.com

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 30 Mar 2003 19:54:35 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "EPA-QRP" <EPA-QRP@yahoogroups.com>,
"NoVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>
Subject: [148360] KI6DS Reports on first QSO with new SWL DSW2!!!!!! WOW!!!!!!
Message-ID: <000501c2f720\$24fc16b0\$8ac33ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug Hendricks here reporting from George Heron's shack.

Guys the title says it all. I just finished my first qso with my new Small Wonder Labs DSW-II on 20 meters by Dave Benson, K1SWL. It was with Bill, W4POS in Jacksonville, FL. He gave me a 569 and we had solid copy for a 15 minute qso. The rig is stable as a rock, great filtering, super fun to use, I love it. Don't know for sure, but this may be the first qso on this rig

other than Dave Benson. I bought it last fall, with the deal that Dave would build it for me, and deliver at Atlanticon, as I wanted to use it in my talk. He delivered it Saturday morning.

Start saving your money boys, this one is a winner. A grand slam dunk by Dr. Dave.

I am spending a couple of days with George Heron after Atlanticon, and we hooked it up to his antenna 7 minutes after getting to his house. (Had to say hello to his lovely wife Debbie and daughter Elizabeth). Atlanticon was wonderful. I couldn't believe how much fun it was, kept pinching myself to make sure I wasn't dreaming, I was having so much fun. The NJ QRP group are wonderful hosts, and really, really made me feel welcome. Saw a ton of guys, and meet a bunch more. Will file longer report later.

I do want to say that Mike C. was there and looks very good. He said to say hello to all of you and really appreciate all of the qsl get well cards. It was good to see him.

72, Doug, KI6DS

Date: Sun, 30 Mar 2003 20:05:47 -0500
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Mike Czuhajewski <wa8mcq@comcast.net>
Subject: [148361] Atlanticon Saturday night
Message-ID: <002901c2f721\$aa2aac60\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Recovering from bypass surgery several weeks ago and having limited stamina, I knew I'd never be able to make it through all day at Atlanticon but I did manage to show my face Saturday night for a limited time. (I had to have my wife drive me. I explained the medical benefits of attending events such as this, and it helped that it was only 29 miles from home!)

As usual the large meeting room was pretty well stuffed with QRPers, and tables everywhere were loaded with homebrew projects. It was good to see Doug Hendricks again, his first time at Atlanticon. It was also a pleasure to meet Jon Iza, EA2SN.

I noted that the person selling a number of ARRL books had no copies of the new EMRFD by Hayward and company. He indicated that the few copies he had pretty much vaporized as soon as he opened the box. (Fortunately, I received

my own copy a few weeks ago.)

I hoped to be able to make it for at least an hour, and didn't run out of steam until the hour and a half point. Unfortunately I wasn't able to stay long enough to see the outcome of the evening's operating event. Those who had their NJQRP Sniffer (tunable, multiband field strength meter) kits built were running all over the room trying to find the 4 hidden, low power transmitters. I wasn't there long enough to find out where they were hidden, although several people seemed to suspect that Rich Arland, K7SZ, had one on his person somewhere :-)

I don't know if they had judging later to award prizes for various types of Sniffer construction. But my favorite was the one that looked like a ray gun from a 50's sci-fi movie :-)

I have to assume that the daytime event was a raging success, as it always has been in the past. I do know that the evening was most certainly a lot of fun, and I highly recommend making it to Atlanticon (or Pacificon, Arkiecon, FDIM, etc) at least once in your life.

73 and queue our pea DE WA8MCQ

Date: Sun, 30 Mar 2003 17:34:07 -0800
From: "LEE HOPPER" <leehopp@msn.com>
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>
Subject: [148362] Re: DSW-II Photos Available
Message-ID: <BAY4-DAV26AbAWFswl30000odd60@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the pix, Chuck. You set the standard for clean work! How do you get your component leads so shiney?

Is there a written description of the DSW-II somewhere - I'm afraid I missed it.

73-

Lee Hopper, NB7F
Portland, OR

Date: Sun, 30 Mar 2003 20:38:16 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [148363] Voice of Iran - 0130Z on 9580 kHz
Message-ID: <000501c2f726\$33fa3a10\$6401a8c0@JOHN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Booming in nightly in English. Other relevant freqs at:
<http://www.mobiledx.freemove.co.uk/mtme.htm>

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 30 Mar 2003 21:19:34 -0500
From: Paul Womble <k4fb@earthlink.net>
To: FP List <fpqrp-l@mpna.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [148364] For Sale: Westmountain Rigrunner 4008
Message-ID: <3E87A5B6.3A062CDB@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Westmountain Radio Rigrunner 4008.

8 outlet power panel. Uses Anderson Power Poles.

Included is a 6' and 2' supply cables with connectors, Gardner crimping tool, and 9 new Power Pole connectors.

See the details here:
<http://www.westmountainradio.com/RIGrunner.htm>

Over \$90 new. In excellent condition.

Will ship in the CONUS for \$75.00.

73
Paul K4FB

Date: Mon, 31 Mar 2003 03:56:55 +0100
From: "Juan Ferrari" <puntrad@usa.net>
To: <k7qo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148365] Re: DSW-II Photos Available
Message-ID: <004c01c2f731\$313c78a0\$0a4b3841@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Two things to admire. The neatness of Dave Benson's design and the quality of the photograph by Chuck Adams.

I think you can build the radio from those pictures.

Tnx Chuck. Great work.

72

Juan - KG4FSN

----- Original Message -----

From: Chuck Adams, K7QO <k7qo@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, March 30, 2003 6:43 AM
Subject: DSW-II Photos Available

>
>
> Gang,
>
> At the present time I am downloading to
>
> <http://www.qsl.net/k7qo/dsw2.html>
>
> the page linking to the photos. It is now 0533UTC March 30th, 2003
> and the photos are transferring over through the modem, so if you
> are on line when you read this near the above time you may have to
> wait 15 mins or so before they all are there, so be patient.
>
> I'll follow up on Monday or Tuesday with some more photos with the
crystals in
> place and an outdoor photo of the rig complete so that you can get
> a size comparison with some of the other popular rigs.
>
> This rig should be trail friendly as it weighs in at 12 ounces.
>
> More to follow when I get it on the air with a beam.
>

> FYI
>
>
>
> Chuck Adams, K7QO
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? ---- Please bring your own water.
> Week of April 1 is National Dark Skies Week, so darken the outside
> lights.... Please.
>

Date: Sun, 30 Mar 2003 20:13:02 -0700
From: Dan Tayloe <dtayloe@cox.net>
To: Ed Tanton <n4xy@earthlink.net>, qrp-1@Lehigh.EDU
Subject: [148366] Re: SCAFs
Message-ID: <3E87B23E.CA5F639F@cox.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I do not mean to give the impression they are useless. That is clearly not the case. It can be used to good advantage to supplement the main filtering, but is simply too late in the audio chain to stop big adjacent signals.

The problem with the SCAF chips the cool LT and Maxim 5th and 8th order Elliptic low pass filters is that the noise is only 80 db down or so from a full range output. That sounds like a lot, but that is roughly 0.5 mV of noise. Comfortable headphone level is often only 40 mV or so. That means that a SCAF filter is best used with almost no gain between it and the headphones or they will become noticeably noisy.

The good news is that there is 40 db between 40 mV and 4v, so a SCAF can be used to get rid of a fairly good sized interferer. However, when pushed beyond that boundary, distortion and distortion products can make things sound kind of nasty.

- Dan, N7VE

Ed Tanton wrote:

>
> I totally disagree Dan. Of the inexpensive filters I have (e.g. not DSP
> like my NIR-12s) two are SCAFs, and are FAR superior to any other of the
> non-DSPs. I have both the OHR SCAF and one made several years ago by an

> Alabama company named Dynamic Electronics. The one exception I would make
> to this sweeping endorsement are 88-mH-based (telephone toroid) filters.
> Their single-center-frequency audio response makes them VERY good-sounding
> filters. However, without variable BW (the OHR switches) they are more like
> what you described for the SCAFs... but admittedly do sound really nice.
>
> You cannot buy either one, but I believe Vectronics has a kit SCAF filter
> still available, and if I had to give up my OHR, I'd probably want to get a
> Vectronics. I wouldn't take my NIR-12s to the field, but the OHR/etc. is
> small, inexpensive, and effective. Beats the daylights out of any
> inexpensive filter I know of.
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>
>
> Ed Tanton N4XY
> 189 Pioneer Trail
> Marietta, GA 30068-3466
>
> website: <http://www.n4xy.com>
>
> All emails <IN> & <OUT> checked by
> Norton AntiVirus with AutoProtect
>
> LM: ARRL QCWA AMSAT & INDEXA;
> SEDXC NCDXA GACW QRP-ARCI
> OK-QRP QRP-L #758 K2 (FT) #00057
>
> -----
> "Suppose you were an idiot ...
> And suppose you were a member of
> Congress... but I repeat myself."
> --Mark Twain
> -----

Date: Sun, 30 Mar 2003 20:20:13 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: k2zn@rochester.rr.com, qrp-1@lehigh.edu, dtayloe@cox.net
Subject: [148367] Filtering in a receiver
Message-ID: <BAAD01FD.4283%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Al's questions on SCAF filters and Dan's reply prompt this note

Dan is right, the SCAF performs best at fairly signal high levels, say with

50 to 60=0dB of gain in front of them; the audio output of a receiver works fine.=20

Filtering should be distributed throughout a receiver, not just in the low level stages. The selectivity should be as narrow as possible as soon as possible. Each stage that has gain should be accompanied by one that has selectivity. This does two things, reduces the signals available in the receiver's bandwidth to generate intermodulation distortion and reduces the wideband noise introduced by the gain stage.

So, in a superhet, the first filter, or preselector, is between the antenna and first mixer. This filter is fairly broad and usually serves primarily to reduce problems with second order intermodulation, IF leak through, and image response. A two stage filter, usually coupled resonators, is commonly used. A single stage has too little out of band rejection. Filters with three or more stages can be tedious to align.

The second significant stage of filtering usually comes after the first mixer, although there are mixers that provide some selectivity. The design one. The filter after the first mixer is usually where most of the selectivity in a receiver is achieved. This is usually a crystal filter, and the more poles the better. This filter also reduces noise by virtue of reducing the bandwidth. This filter is usually followed by an IF amplifier, but there are receivers which do away with this stage.

The IF amplifier has not only gain, but also introduces noise outside of the bandwidth of the crystal filter. A second filter can be used here to reduce the noise that is seen by the product detector. A simple filter is sufficient here, one consisting of a single crystal is adequate. The Red Hot 20 (NorCal-20) uses this configuration as does the Sierra. This filter also helps to improve the strong signal handling capability of the product detector.

If the product detector has gain, like an NE602, it will also introduce noise. Often an active filter follows an active mixer, but an LC filter is a better choice here. Unless large inductors are used, these filters can be lossy. If older op amps, like the 741, are used in the audio chain, they can introduce noise. Modern devices, like the NE 5532 and OP604 are preferred.

In most receivers, a SCAF can be introduced between the last stages of audio preamplification and the final audio amplifier without introducing excess

noise. This will probably not be true in minimalist receivers such as the Neophyte or SWL, but it does depend on frequency.

The final audio amplifier can introduce noise outside the bandwidth of interest, and a low pass filter (L and C) at the output will make a receiver much more enjoyable to listen to.

The problems with strong signals reducing desired signal strength and introducing distortion in the SCAF can be largely eliminated by using the SCAF after the final amplifier, turning off the AGC, or both.

Outboard filters made from SCAFs should be fine, and are probably the best application of SCAF technology.

Not all SCAFs are created equal. The Linear Technology ones are probably the best of the crop, but they are expensive. Linear has a pretty good free sample policy. The Maxim filters are a bit noisy. They also have a good free sample policy. All SCAFs require careful bypassing.

Here are a couple of good URLs that describe two simple effective SCAFs.

<<http://www.extremezone.com/~nk7m/miniscaf.htm>>

<<http://www.extremezone.com/~nk7m/n7vescaf.htm>>

I hope that this helps. Sorry for the length. - Dr. Megacycle KK6MC/5

=20

James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sun, 30 Mar 2003 22:24:02 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-l@lehigh.edu
Subject: [148368] Atlanticon.....Great!!!
Message-ID: <5.2.0.9.1.20030330221849.00afc408@pop.prodigy.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The title says it all. What a wonderful weekend filled with excellent and informative technical and operating presentations, meeting new hams, and renewing old acquaintances. And just too much fun!

Many thanks to NJQRP and all of the principals (you know who you are) for putting on a first class event. I'm already making plans for next years event.

The flights back to Fenton were smooth and uneventful, which is my preference, and I'm one tired kid.

72/73, and kind regards to all,

Jim, K8IQY

Date: Sun, 30 Mar 2003 23:42:03 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>
Cc: "Paul Christensen" <w9ac@arrl.net>, <n9vv@wideopenwest.com>, "Jack Vaughn" <jvanghn@cswnet.com>, "W6JC" <W6JC@cox-internet.com>, Subject: [148369] DSW 2
Message-ID: <01da01c2f748\$460601e0\$1e9b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow Gang what a weekend. No I wasn't up at Atlanticon (trying to get ready for Arkiecon :-(), but got a phone call from Doug Hendricks and George Heron on Sunday evening.

Doug said that George was tearing them up on 20m with Dave Benson's new DSW II. It was a 20 meter version. I asked what frequency would they be on? 14.023 was the answer and I told them to give me 20 minutes or so to get home. It was late and I didn't think the band would still be open after dark.

Every rig here has DSP filtering with TCXOs, so tonight's rig of choice was the Icom Pro 2. I was setting up the Pro 2 and bumped the key and boom their was George right on frequency! What's the big deal you say, well I had the 50 Hz filter turned on the Pro 2 and the DSW II was right on frequency!!! Well the last time I looked the Pro 2 was a minus 1 Hz off, I must do something about that very soon, hi.

The new DSW II sounded very good. George and I could have talked for more than the 20 or so minutes that we did.

Very cool, I can't wait to see it this weekend at Arkiecon! Oh, in case you have been under a rock for the last few weeks Dave Benson will also be a guest speaker at Arkiecon!

Mis Kathy had me doing yard work all weekend (5 hours of mowing with a push mower and breathing dirt, etc.) so it would be nice and pretty for the Boys. Like Vern Wright would care how the flowers looked, hi! This really made my night to hear from George/Doug and to work George on the air with the new DSW II. I would have worked Doug, but I don't think he knows the code! :-)

73 de jay..

Date: Mon, 31 Mar 2003 00:08:17 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>, "Jack Vaughn" <jvanghn@cswnet.com>,
"W6JC" <W6JC@cox-internet.com>,
Subject: [148370] Arkiecon speaker Dave Benson, K1SWL
Message-ID: <01ee01c2f74b\$f02bb7c0\$1e9b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
Atlanticon is over, but we have some of it coming to Arkiecon. Dave Benson with be flying down to join us and he will also be a guest speaker at Arkiecon 2003!

George did such a great job of announcing Dave for last weekend's Atlanticon I am going to steal George's post.. Thank you Mr. Heron! :-) See below.

Dave Benson has produced some of the most exciting QRP kits like the PSK-31, Wabblers, SWL, DSW, and now the DSW II! I had the privilege to build and try them all. Oh, I almost forgot the Rock Mite! Now I bet Dave wouldn't do that? :-)

I can't wait to hear Dave's forum this weekend at Arkiecon! Come hang with us this weekend you will be glad you did.

73 de jay..

>
> ----- Original Message -----
> From: "George Heron N2APB" <n2apb@erols.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Monday, March 24, 2003 8:31 PM
> Subject: Atlanticon Speaker: Dave Benson, K1SWL
>
>
> > Our final speaker to be announced for this year's Atlanticon QRP Forum
is
> > Dave Benson, K1SWL.
> >
> > Dave is a great friend of the NJQRP and QRPers all over the world, and
has
> > served as a technical advisor on many of club projects over the years.
He
> > has so many credits to his fame -- from repeated QST author, "designer
> > extraordinaire" with projects in the ARRL Handbook, and entrepreneur
> deluxe
> > as owner/operator of Small Wonder Labs -- Dave serves the us in the QRP
> > community with quiet aplomb and technical depth. We are so lucky to have
> > K1SWL present a topic once again that comes straight from the core of
his
> > expertise ...
> >
> > "Ask Mr. Wizard"
> >
> > Dave Benson, K1SWL, has gotten quite a few questions in his years as
> > proprietor of Small Wonder Labs. A number of these prove to be
perennial
> > favorites, and the answers bear repeating to a wider audience!.
Questions
> > like "How do I get 5 watts out of my 2W rig?" "Can I multiband
single-band
> > rigs?", "PEP- what is that?" and of course, "What's with the DSW-II? In
> > addition to tackling this smorgasbord of topics, Dave will entertain
> > questions from Atlanticon participants.
> >
> > Atlanticon 2003 is only days away now, starting this Friday evening at
> > 7:30pm in Baltimore, MD and continuing all day Saturday and into that
> > evening as well. There is so much crazy QRP fun planned for the
weekend --
> > prizes, talks, prizes, construction contest, prizes, Sniffer
competition,
> > prizes and a major hamfest within walking distance. If you still
haven't
> > made up your mind, you can still show up at the door and take part in

Date: Mon, 31 Mar 2003 0:30:32 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [148371] WTB--Norcal 40a
Message-ID: <412003313163032917@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for a souped-up Norcal 40a rig. Need one which has a 3-5 watt output. Would prefer one with a KC-1 built-in keyer. If you have one to sell, please let me know. Thanks. One guy wrote back, but then I never heard further.

73,
--Doc/K0EVZ

Date: Mon, 31 Mar 2003 06:23:31 -0500
From: David Porter <aa3ur@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148372] Atlanticon, what a weekend, LONG
Message-ID: <NGBBICPOCLKMGIBGGBEAIEPJDFAA.aa3ur@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

What a weekend! All the planning, all the kitting, all the mailing kits....

On Friday night, while the speakers and most other early birds were enjoying crab cakes, the Atlanticon staff sat in the lounge area of the hotel devouring what we could find of the hot chicken pieces (all that was left) and tiny pizza bits while figuring out who would do what to whom. At last, a plan was hatched and we left to get all of the stuff required to turn the meeting room into Atlanticon.

All the sudden, we had people manning the registration table, people manning the kits table, people manning the Badger Smart badge / PSK31 Audio Beacon programming, and all the other vendors setting up for business. It was upon us! I often hear waiting for Atlanticon compared to waiting for Christmas. For the Atlanticon staff, it was like parents waiting for Christmas.

As the evening went on, most of us got an opportunity to wander around and see what everyone was offering. Custom QSL cards, Little Red Keys, An understated display of the new DSW II, a Rock Mite in the blue aluminum case, Technical Books, Magazines, a 40-30-20 meter transceiver in an Altoids tin and an SWL table top receiver, a truly rock-bound Rock Mite, Halfers and Gushers, Islanders, Past Proceedings, SOP Kits, Sniffer Kits, Website CD-ROMS, Quickie Labs, IOX's, a funny Plexiglas box with three pushbuttons on one end and three lights on the other, and more. It really was like Christmas in March. Soon there was a room full of happy QRP'ers able to put faces to calls, catch up on tips and techniques, and see what people have built and how they did it. What else can you ask for?

The next morning began with a very large breakfast to make up for the paltry pickings I had from the night before. OK, too large. Then, off to the large meeting room to set up. The Atlanticon staffers again set up the registration table even before I got there. The Badger / Beacon programming station was already set up, and we soon had a sales table set up and manned. For the hour before the kick-off of Atlanticon, more milling around, making sure everyone had what they needed and answering questions, to say nothing of grabbing another cup of coffee for my already taxed tummy. While arranging the door prizes, I was amazed at how many we had. I had roughly grouped the loot into drawings of three items each. We had more groups than we had places in the agenda! Thanks to all who donated prizes: Ed Hare, Ron Polityka, Mitch Mitchell, Ft. Smith QRP Club, Greg QRP Books, Jeff Heatherington, Dave Benson, Paul Taylor, and the North Virginia QRP Club for the main mystery prize.

And then, there was Atlanticon! As I think back, it was all sort of a blur, so I may have some of the following out of sequence. With some remarks from George Heron N2APB and some logistical comments from myself, Atlanticon was handed over to Rich Arland, and the games began! Rich was entertaining, as always, and we launched into the world of practical portable antennas by James Bennet, KA5DVS. Jim showed us his Pac-12 and how to make them, a great antenna. A break, and the first prize drawing. a talk about the Quickie Lab by Joe Everhart, N2CX. This kit is a very exciting introduction to microprocessors and can be programmed easily with PBASIC. A very entertaining talk followed from Doug Hendricks, KI6DS, on having fun with QRP in contests, or how to plant antennas in parking lots :-). We then broke for the traditional box lunch and an added speaker, Jon Iza, EA2SN. His talk kept us chuckling and surprised me with just how hard it was for a youngster with an electronics lab Christmas present to become a ham radio operator in a dictatorial country. Dave Benson, K1SWL, followed with an

"Ask Mr. Wizard" session. While he didn't produce the letters ECMBB to remind us to have a breakfast of eggs, cereal, milk, bread and butter that Don Herbert often did; we did find out loads of stuff about his products, including the DSW-II. Jim Kortge, K8IQY, then showed us his new 2n2/30 transceiver. What a beauty it is! Each time I see his work, it only gets better. Craig Johnson, AA0ZZ completed the day with his talk about using the AD9854 DDS chip as a general purpose VF0. A real tour de force. At the end of the talks, we quickly dispatched the remaining prizes, working up to the mystery main prize. This prize was donated by the North Virginia QRP Club and was worth waiting for! Beta #2 of the DSW II. You don't come along something like that very often! Closing remarks were made by everyone with thanks to everyone. Oh yeah, I also revealed the secret to the plastic box with three switches and three lights.

After a break for Dinner, it all started again. Homebrew items came out of the woodwork. Sniffers were sticking their noses into nearly everything. It was a site to behold. The home brewing contest was won by Jim Kortge with his 2n2/30, second place by John Cawthorne, KE3S, third by Nancy Feeny, NJ8B, and I am sorry to say I don't remember the name of the winner of the youth division.

Everyone was then hurried out of the room so we could place the hidden transmitters. The sniffers were allowed back in, and went to town. All the transmitters were found, but no contestant found all of them. One was under a table, one hidden in the flag, one was on George Heron, and I still don't know where the last one was. I am sorry to say that I also don't remember the winners, but I do remember that Nancy Feeny, NJ8B was one of them.

The rest of the night was spent packing up, cleaning up, and having a nice beer with some of the staff and a few others.

Special thanks to the following staffers:

Bryan Williams for producing the badges with a very short lead time.

John Cawthorne for kitting the Sniffers, Islanders, and helping with the drawings and sales table.

Mike Korejwo for helping with the Serial Senders and the PVX0 kits

Allan Owen for kitting the Serial Senders

John DeGood for kitting the Rainbow Tuner.

Gerry Jurrens for kitting the W1CG Baluns

Dave and Marcus Willmore for producing the CD-ROMS and helping with the sales

Michael Bower for running the Registration table

Ed Lyon for running the registration table

Special thanks to Michael Bower and Ed Lyon for arranging to get and donate the Mystery Main Prize, the Beta #2 DSW-II.

Again thanks to all who donated prizes, mentioned above, including:

Mitch Mitchell, Vibroplex
Rich Arland who arranged for two audio filters from a source I need to
mention, but can't remember.
Ron Polityka
Ed Hare and the ARRL
Greg QRP Books
Jeff Heatherington
Steve Weber
Dave Benson
Paul Taylor
J. Drescher for creating the plastic box with 3 buttons and 3 switches.

It was another wonderful Atlanticon!!!!

Thanks for supporting NJQRP,

Dave, AA3UR

Date: Mon, 31 Mar 2003 17:47:33 +0530
From: Anil <sanil@sancharnet.in>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148373] Help
Message-ID: <001901c2f780\$0b615d40\$c930003d@sanil>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello,

I need the manual of Alinco DR-140 and Alinco DX-70.

Pse let me know the site to download .

73s

Anil VU2TRI

Date: Mon, 31 Mar 2003 07:50:33 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: Dan Tayloe <dtayloe@cox.net>, Ed Tanton <n4xy@earthlink.net>,

qrp-1@lehigh.edu
Subject: [148374] Re: SCAFs
Message-ID: <5.2.0.9.2.20030331074643.034ebb88@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Now THAT I can agree with. They are certainly no substitute for a decent IF. My experience with them is limited to receivers such as the Drake R-7... and even then, the Drake was set for either 500Hz or 300Hz. With that setup, you do indeed get single signal reception-and I never gave the 'front end filtering' the Drake's RF and IF filters provided as help!

//snip

At 10:13 PM 2003-03-30, Dan Tayloe wrote:

>I do not mean to give the impression they are useless. That is clearly
>not the case. It can be used to good advantage to supplement the main
>filtering, but is simply too late in the audio chain to stop big
>adjacent signals.
>//snip

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"Suppose you were an idiot ...
And suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 31 Mar 2003 14:16:29 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: sanil@sancharnet.in, qrp-1@Lehigh.EDU
Subject: [148375] Re: Help
Message-ID: <F132TrBoe2U8QVjp3b60001185e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Anil <sanil@sancharnet.in>
>Reply-To: sanil@sancharnet.in
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Help
>Date: Mon, 31 Mar 2003 17:47:33 +0530
>
>Hello,
>
>I need the manual of Alinco DR-140 and Alinco DX-70.
>
>Pse let me know the site to download .
>

Try this site:

http://hamradio.online.ru/sch_eng.html

It seems to have virtually every radio manual.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Surf together with new Shared Browsing
<http://join.msn.com/?page=features/browse&pgmarket=en-gb&XAPID=74&DI=1059>

Date: Mon, 31 Mar 2003 08:30:32 -0600
From: Randy Moore <wrmoore47@comcast.net>
To: qrp-1@Lehigh.EDU
Subject: [148376] Re: DSW-II Photos
Message-ID: <003d01c2f792\$1656fa40\$962bcd88@thaadsivv.sed.redstone.army.mil>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Excellent Chuck! Can't wait to get my hands on one of these beauties!

Tnx es 73,
Randy, KS4L

Huntsville, AL

Date: Mon, 31 Mar 2003 09:57:19 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "Karl F. Larsen" <k5di@zianet.com>,
"Upton, Shawn" <SUpton@ALLEGROMICRO.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148377] RE: is this an indoor antenna?
Message-ID: <E1F0152638DBD311AEF700D0B74455E2D13CD7@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I did a bit more work on this radio issue this weekend. Not a lot, was too busy with the contest. I tried out the Scout at 50W into the dummy load and still could hear audio in the speaker, with good coax inbetween the radio and the tuner. [BTW, I'm using the 300W dummy load in the MFJ-969.] I tried running a different power supply, one that runs 50W FM radios seemingly fine (but I don't have the output ratings on this supply), and it does the same issue.

I ran with the possibly problematic dipole on the CQ WW SSB WPX contest, and made 10 or 15 contacts with my FT-817 at 5W, no issues. I later changed over to some verticals that I made up for the backyard (which I have yet to take down--funny, no one mows the yard or plays in it for the matter when it still has a foot of snow) and made some more contacts.

Hopefully, tonight, I'll try out a couple of things: the vertical antennas and see if it is a near-field issue (the vertical is around 25 or 50 feet away), and I'll try out some electrolytics on the supply (and disk too) and see if it is RF getting into the radio. I did try out some ferrite clamp on chokes, used only one but it had no effect so far.

Oh yeah, I did pretty well with the simple vertical antenna. I cut 3 counterpoises at 11 feet and one at 16.5 feet, and soldered them to the shield of some coax. I cut one piece at 11 feet and another at 16.5 feet, and those two went to the center. I hung the mess from the clothesline--which, with the weight on it, suspended the mess at about 12 feet. The 15m element is straight up and down, where as the 20m element is at about 45 degrees (I used clothespins to keep 'em in place). Worked decently well, at least according to the LDG Z-11. It ran happily at bypass with >2:1 SWR on those two bands. Too bad I can't leave those antennas up like the dipole.

Shawn Upton, KB1CKT

-----Original Message-----

From: Karl F. Larsen [mailto:k5di@zianet.com]
Sent: Friday, March 21, 2003 1:05 PM
To: Upton, Shawn
Cc: Low Power Amateur Radio Discussion
Subject: RE: is this an indoor antenna?

Hi Shawn, please keep me informed on what you try and how it works in your apartment. This is an interesting antenna subject, and I plan to write a paper on how to get on 40 meters in an apartment not allowing antenna's of any type.

On Fri, 21 Mar 2003, Upton, Shawn wrote:

> No, it's hung on an porch, up under the roof, at the 7' level or so. Not
> real high, but a first attempt at putting up something RF worthy enough to

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 31 Mar 2003 08:55:55 -0600
From: tstabler <tstabler@iun.edu>
To: qrp-l@Lehigh.EDU
Subject: [148378] BL Tuner
Message-ID: <3E863B64@webmail.iun.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 7bit

Hi All--

This past weekend, I was at Atlanticon. Doug Hendricks was there and talked about his doublet antenna and the BL Tuner. I knew I had to buy one but got lucky and won one at a drawing they had.

That evening, Doug told me there was a web site on how to build the tuner along with pictures. Can anyone give me the site? Doug did not remember it.

Thanks.

Tim
WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408
Phone: 219-980-6718
FAX: 219-980-7125

Date: Mon, 31 Mar 2003 07:08:19 -0800
From: "William Phinizy" <k6whp@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [148379] YA RM VXO Question
Message-ID: <002f01c2f797\$5edb54f0\$6360e043@sydelpgnr79gmd>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

(yet another Rock Mite VXO question)..

..I have reviewed the fine works by W5USJ and NB6M and still at sea on how best to build a VXO for my Rock Mite. The basic question I am left with is it merely sufficient to connect a trim cap in series with Y2 to accomplish a simple (and limited) frequency swing? Is a similar mod (or any mod at all) necessary for Y2?

Also, are there any other suggestions for a VXO circuit?

My thanks in advance.

72,

Bill, k6whp

Date: Mon, 31 Mar 2003 09:33:45 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148380] Re: Help
Message-ID: <008401c2f79a\$eb27e600\$146f640a@MarkAndrews>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Try www.alinco.com. Most of the manuals (including the service manuals) for the radios Alinco produced are available online in .pdf format

Mark, KE4IOF

Mark A. Andrews

Date: Mon, 31 Mar 2003 07:49:26 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: <tstabler@iun.edu>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148381] Re: BL Tuner
Message-ID: <003301c2f79d\$1c3a63b0\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe what you're looking for is here:
<http://www.kc5wa.com/blt-mayo.html>

=====
Bill Jones - <><
Sanger, California
<http://www.psnw.com/~kd7s>

----- Original Message -----

From: "tstabler" <tstabler@iun.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, March 31, 2003 6:55 AM

Subject: BL Tuner

> Hi All--

>

> That evening, Doug told me there was a web site on how to build the tuner
> along with pictures. Can anyone give me the site? Doug did not remember
it.

Date: Mon, 31 Mar 2003 08:19:02 -0800 (PST)
From: Gary Slagel <gds slagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Cc: Keith Doughty <kdoughty@gwtc.net>
Subject: [148382] Another Rockmite 20 lives and breaths!
Message-ID: <20030331161902.59106.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The April QST Rockmite story (and the snow dropped by the colorado blizzard of 2003) yesterday inspired me to stay inside and build the 20 meter Rockmite that had been on the shelf for a couple months.

What an easy rig to build! Got the board all together, strung wires all over my bench hooking up to power and ant and switch and etc, powered it up and heard sigs! Didn't have a paddle jack but was able to hook to a straight key. What a rush when the 2nd CQ I sent brought back AB8LE in Ohio! Also... my first straight key qso in I don't know how long. I'm gonna box it up with a little 1/2 wave wire tuner, some batteries, the old tipper tapper push button paddle I've always had trouble using, a built in speaker that I can hold up to my ear like a headphone, and have the most portable rig goin'!

I got about 250mw out with a 12.6V power supply. Should I start foolin' with the resistor value to up the ouput power or should I up the voltage of my power supply?

Is there still a group getting together in the evenings with their rockmites?

73, Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://gdslagel.bravepages.com>

Do you Yahoo!?
Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your desktop!
<http://platinum.yahoo.com>

Date: Mon, 31 Mar 2003 11:26:34 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [148383] Re: April QST Cover
Message-ID: <20030331111934.X59438-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It takes a sharp eye to notice the fact that the RockMite on the Cover actually has Dual Pic Controllers on board. :^}

After all this is the April Issue. Maybe it is a Special Version of Super Mod that Dave has not yet revealed. Who will be the first to figure out the new Option? :^} Maybe it is something for the HS CW boys Dual Pics for 80 WPM CW?

Maybe one is for Contest Logging?

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Mon, 31 Mar 2003 08:58:11 -0800 (PST)
From: Richard Fisher <ki6sn@yahoo.com>

To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [148384] Now Showing - The ARS Sojourner
Message-ID: <20030331165811.37278.qmail@web12108.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

In the nick of time, the March edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, is hot off the virtual press, free and just a click away at:

<http://www.natworld.com/ars>

Here's a look at this month's content:

- + Adventure on the Rocks, By Trevor Jacobs, KG6CYN
- + Bone Rattling Texas Adventure, By John Harper, AE5X
- + A Simple Antenna for 20 meters, By Jim Varner, AE6N
- + NEW: Revised Spartan Sprint Weight Rules
- + From Our Vantage Point, The ARS Sojourner
- + The March Spartan Sprint Champs: Skinny Division N4E0; Tubby Division WA9TZE
- + The March Spartan Sprint Soapbox
- + March Spartan Sprint Certificates
- + The UPDATED Spartan Sprint Logger, by John Huffman, NA8M
- + Spartan Sprint Certificates
- + Wilderness Alerts for March 2003 (regularly updated)
- + Looking Ahead: ARS' 2003 Calendar of On-Air Events, The ARS Sojourner

On behalf of ARS webmaster Charlie Wilber, N1AOK, contest manager John Huffman, NA8M, The ARS Sojourner staff and contributing writers, we hope you enjoy this edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do you Yahoo!?

Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your desktop!

<http://platinum.yahoo.com>

Date: Mon, 31 Mar 2003 12:16:56 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [148385] CQ WW WPX SSB Results
Message-ID: <003501c2f7a9\$55403480\$aa634342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Had a good time in the contest !!!

10 METER , SINGLE - OP , QRP

CONTACTS 108
POINTS 229
MULTS 88
SCORE 20,152

Strange propagation !!!!!!!

Worked only ONE station to the east !!!!! C5P

Made contacts with KH7U , ZL6QH and west coast stations in the other direction but most contacts were NORTH - SOUTH only with the Carribean and South America.

I realize 10 meters is on the way out but this seemed like such a SHORT cycle with not as many good years on 10 meters !!!

71s

George Osier , N2JNZ / QRP
President
NNYCC

Date: Mon, 31 Mar 2003 12:25:17 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Cc: <k3tks@u1.abs.net>
Subject: [148386] Re: April QST Cover
Message-ID: <008b01c2f7aa\$8257fa60\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Or maybe Dave just didn't have any op amps in the parts drawer at the time he took the picture.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "George Gingell" <k3tks@u1.abs.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 31, 2003 11:26 AM
Subject: Re: April QST Cover

> It takes a sharp eye to notice the fact that the RockMite on the Cover
> actually has Dual Pic Controllers on board. :^}
>
> After all this is the April Issue. Maybe it is a Special Version of Super
> Mod that Dave has not yet revealed. Who will be the first to figure out
> the new Option? :^} Maybe it is something for the HS CW boys Dual Pics
> for 80 WPM CW?
>
> Maybe one is for Contest Logging?
>
>
> QRPp Dx Tu, (C) 2002 K3TKS
>
> Sir George, The First :^}
>
> 72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
>

Date: Mon, 31 Mar 2003 13:46:02 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [148387] Re: Atlanticon 2003
Message-ID: <20030331112732.W59996-100000@u1.abs.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, It's is all over now. :^{} How was it? It was Great!, But you knew that already. Have you ever attended one of the QRP Forums and left wanting. I don't think so, Maybe wishing it had not ended so quickly, but certainly not wanting.

The talks were all just absolutely outstanding, as you might expect. There were a few moments of outrageous laughter as well. I know that I had a real good time and actually learned a few new tricks as well.

Nothing quite tops the time spent meeting new and old friends. I had the honor of representing two other friends who were not able to attend this year for various reasons. This in case some of you might have thought that I had developed Multiple Personalities :^{} I wore three name tags K3TKS, RV3GM & W6TOY. (Don't worry Oleg and Bruce, I was on reasonably good behavior :^{})

The Transmitter Hunt by the "Sniffer Hounds" was quite a show to see. George, N2APB was the Mobile Unit! :^{} Others were hidden under tables and the U.S. Flag.

The Building Contest was truly exceptional. Of course there were loads of Sniffers, and many other popular kits. The winning Sniffer was built into an Orange Plastic Toy Gun. Ray Gun? I saw one which I really liked, but don't know if it had been entered in the judging or not. It was Great! It was a small Childs Lunch Box which was Decorated with "Goofy" I think, and the face plate was custom printed on PhotoPaper. It looked more like a portable Radio in a square lunch pail. It would have been my First Choice.

I think Marcus won the Young Folks Builders Award Again. He Did a really outstanding Packaging of his Sniffer. Top and Bottom PCB's with the top acting as the panel and the boards joined with about 3 inch spacers. Making the finished project into a cube. Nice handy size for practical use. Easy to see why it was a winner. I am sure that pix of all will be on the njqrp website soon.

I bought several of the NJ QRP CLUB Website CD's while there. I have not had a chance to review one yet, but I have no doubt that it will be worth much more than the price paid. Don't Walk, Run to the Website and place your order today. <njqrp-kits@comcast.net> <aa3ur@comcast.net>

The bottom line is that we should all Support QRP by Attending at least one QRP Forum this year. There will be one in every corner of the Country at some time during the year. It sure would be great if we could make them all, but we each have to do what is best for ourselves.

Sure was good to see many of you from the qrp-l list out at Atlanticon this Weekend. My good friend Mike Czuhajewski, WA8MCQ managed to make it over for a few hours on Saturday Evening. Glad to see him improving.

CUL

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Mon, 31 Mar 2003 12:46:56 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <wb8rcr@arrl.net>, <qrp-l@lehigh.edu>
Cc: "Cohen, Stuart N1SC" <scohen@arrl.org>
Subject: [148388] Re: April QST Cover
Message-ID: <001d01c2f7c6\$ac7f3bc0\$c856d03f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Or maybe Dave made a mistake. I've enjoyed the speculation, though- carry on! <g>

That was one of several samples- ARRL tested the one with the correct complement of 'stuff'. :-)

73- Dave

-----Original Message-----
From: John J. McDonough <wb8rcr@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, March 31, 2003 9:49 AM
Subject: Re: April QST Cover

Or maybe Dave just didn't have any op amps in the parts drawer at the time he took the picture.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 31 Mar 2003 15:00:43 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [148389] Re: April QST Cover
Message-ID: <5.1.1.6.1.20030331145405.00a760d0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:46 PM 3/31/2003 -0800, you wrote:
>Or maybe Dave made a mistake. I've enjoyed the speculation, though- carry
>on! <g>

Dave,

That's an interesting way to do a market survey - quietly present something
that's bound to raise questions, then listen to the proposed answers. I'll
have to remember that one!

Beauty is in the eye of the beholder, but progress is in the imagination.
(At least where I work, progress is imaginary.)

>That was one of several samples- ARRL tested the one with the correct
>complement of 'stuff'. :-)

Awww, don't be so quick to impose reality. Imagine the fun we'd have had
wondering how you got a PIC to do analog filtering and amplification!
That's how reputations are made.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 31 Mar 2003 16:42:45 +0000
From: ve3ab@mail.mondenet.com

To: qrp-1@lehigh.edu
Subject: [148390] qrp plus eproms..new batch just made up.
Message-ID: <200303312141.h2Vlf3tw029988@barclay.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just made up a small batch of programmed chips for the QRP+. I have 2 spares for the qrp+ unspoken for..if someone is interested. This is the chip that allows for unlocked transmit on transmit..a handy feature if we luck in to some new band(s). If anyone has had a problem with their chip(s)..let me know..I will take a one for one exchange with just a charge for the shipping ..not for the chip itself. 73 Earl VE3AB

Date: 31 Mar 2003 13:44:09 -0800
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [148391] DSW II Improvements ?
Message-ID: <0E21Byk58Ecu6RWmOPY0000de2d@hotmail.com>

Date: Mon, 31 Mar 2003 21:44:09 +0000
X-Mailer: Gopher King 1.91 - MAPSATONMAPSATON

A while ago, Dave Benson had mentioned a few improvements would be incorporated in the II version.

Anyone pick up this info at Atlanticon ?

Alan, N3BJ

Date: Mon, 31 Mar 2003 19:24:40 -0400
From: "Leigh Hawkes" <leighhawkes@ns.sympatico.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [148392] Re: DSW II Improvements ?
Message-ID: <000301c2f7dc\$b47b7210\$6400a8c0@leighck46i9ilt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck's pictures appear to reveal the PA transistor has been changed from a TO-5 to a TO-220 as well as adding a heatsink Looks like a 2SC1971 is now being used. A nice improvement. There is also a drive level control which

was not included in the original DSW. As well, a front panel PCB has been added. That and the main PCB mounted rear connectors would mean that point to point wiring between the main PCB and the various front and rear panel controls and connectors has been eliminated. This will make for a very neat appearance.

I've also noted the addition of a front panel LED marked, TUNE. Anybody know how this functions. It looks like more than just a power on lamp.

73,
Leigh - VE1GA

End of QRP-L Digest 2876

